

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P851603

Luminaire Tested: **GLAN-SB9C-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45618 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

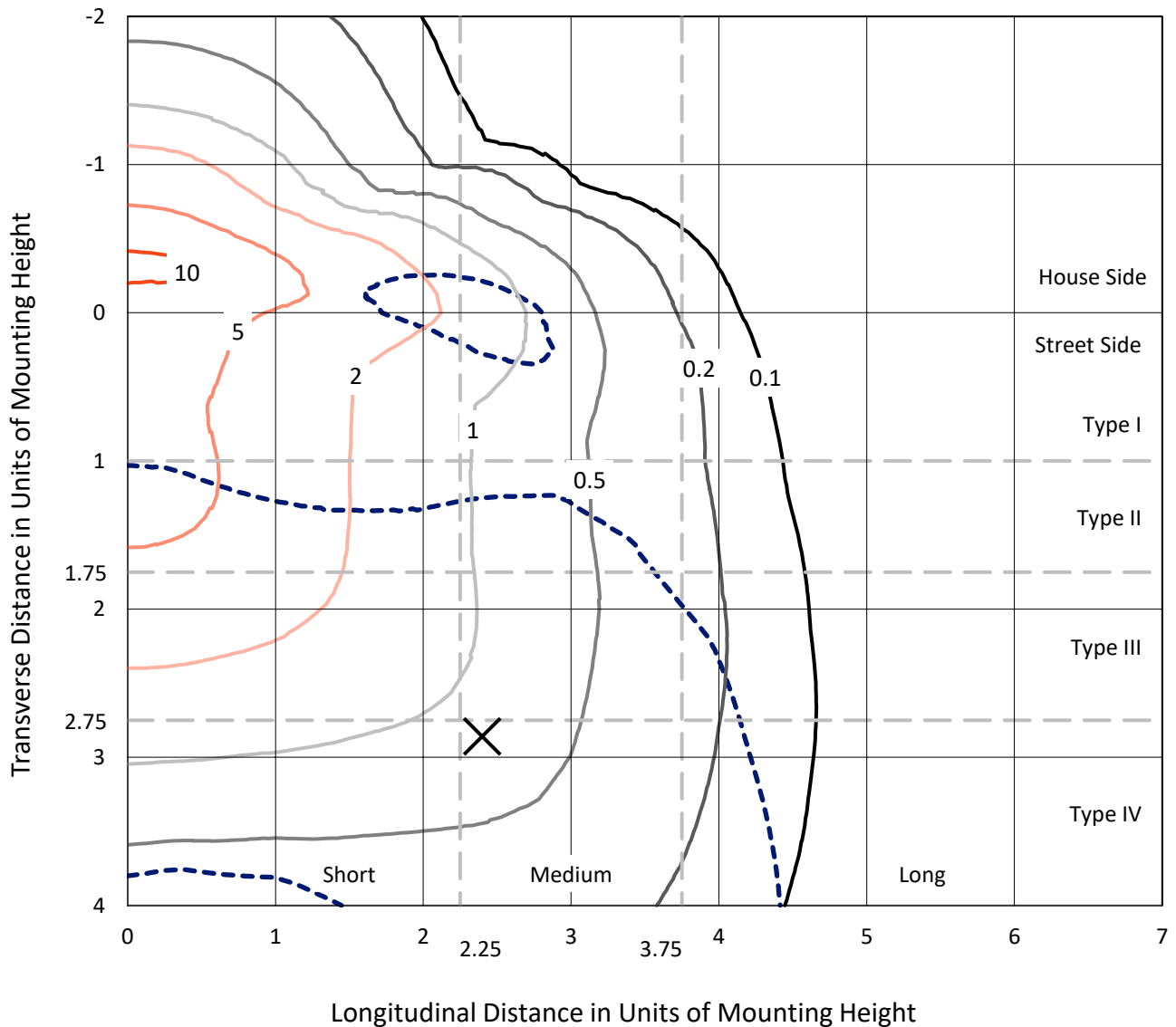
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851603
 CATALOG NUMBER: GLAN-SB9C-930-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

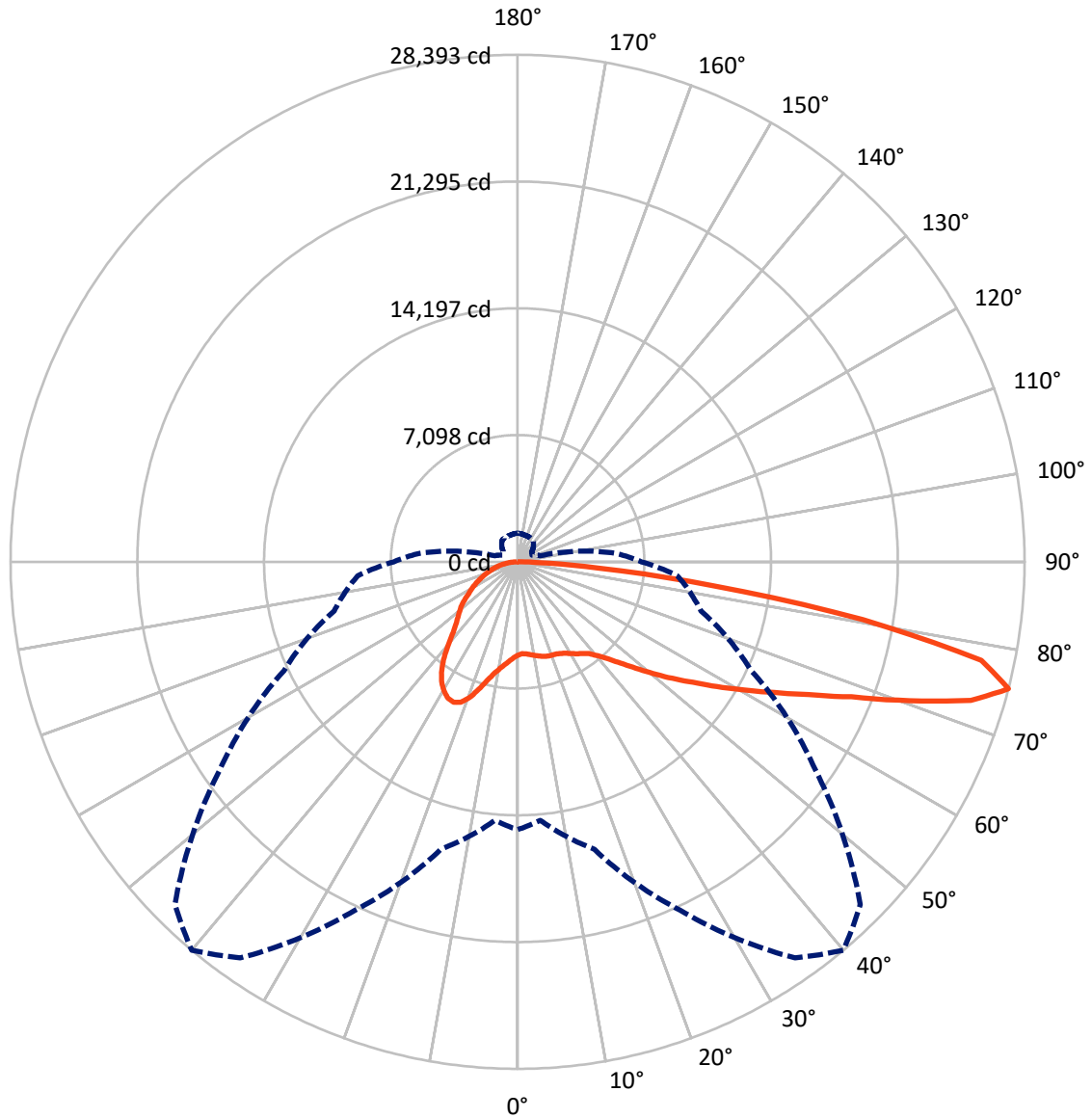
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P851603
CATALOG NUMBER: GLAN-SB9C-930-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P851603
 CATALOG NUMBER: GLAN-SB9C-930-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14134.0	0.0	14134.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	31484.0	0.0	31484.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	45618.0	0.0	45618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.7	1.1
10°-20°	1748.2	3.8
20°-30°	3192.1	7.0
30°-40°	4527.3	9.9
40°-50°	6113.3	13.4
50°-60°	8224.0	18.0
60°-70°	10438.1	22.9
70°-80°	9473.3	20.8
80°-90°	1380.9	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	45618.0	100.0
0°-180°	45618.0	100.0

Coefficient of Utilization

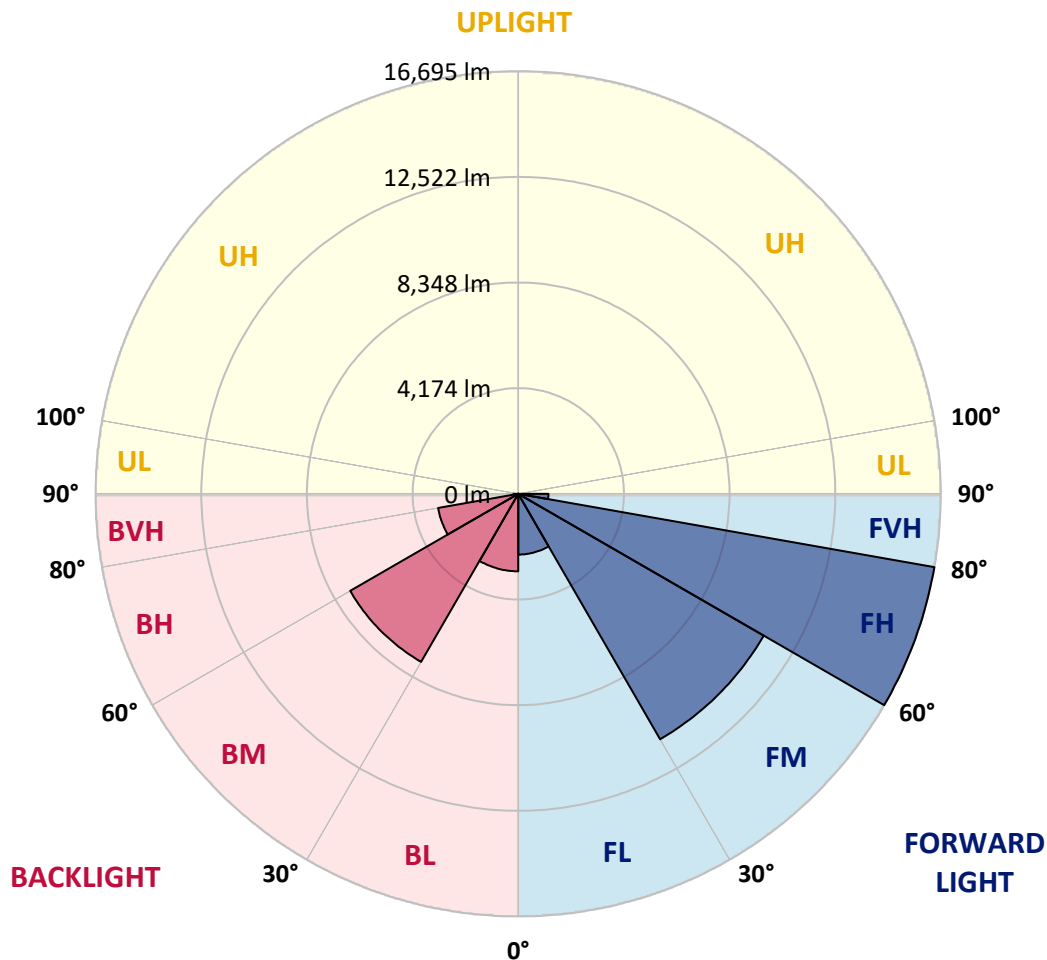


REPORT NUMBER: P851603
 CATALOG NUMBER: GLAN-SB9C-930-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2399.6	5.3			
FM (30°-60°)	11198.2	24.5			
FH (60°-80°)	16695.5	36.6			G5
FVH (80°-90°)	1190.8	2.6			G5
BL (0°-30°)	3061.5	6.7	B4/5000		
BM (30°-60°)	7666.4	16.8	B4/8500		
BH (60°-80°)	3215.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	190.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



REPORT NUMBER: P851603
 CATALOG NUMBER: GLAN-SB9C-930-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5
2.5°	5136.6	5165.7	5158.4	5148.7	5148.7	5151.2	5148.7	5165.7	5182.6	5199.5
5°	5189.9	5218.9	5204.4	5192.3	5182.6	5180.2	5172.9	5170.5	5180.2	5202.0
7.5°	5293.9	5322.9	5301.2	5279.4	5260.0	5250.4	5240.7	5226.2	5218.9	5231.0
10°	5410.0	5439.1	5412.5	5373.7	5342.3	5330.2	5320.5	5306.0	5296.3	5303.6
12.5°	5526.2	5555.2	5518.9	5465.7	5424.6	5417.3	5405.2	5400.4	5397.9	5395.5
15°	5635.1	5659.3	5613.3	5550.4	5506.8	5494.7	5482.6	5489.9	5502.0	5516.5
17.5°	5719.7	5743.9	5676.2	5593.9	5552.8	5548.0	5540.7	5564.9	5598.8	5635.1
20°	5797.2	5821.4	5734.3	5623.0	5574.6	5574.6	5577.0	5627.8	5676.2	5729.4
22.5°	5906.0	5925.4	5818.9	5666.5	5596.3	5601.2	5620.5	5671.3	5731.8	5804.4
25°	6068.1	6082.7	5952.0	5748.8	5668.9	5683.4	5700.4	5724.6	5782.6	5867.3
27.5°	6329.5	6341.6	6169.8	5893.9	5773.0	5797.2	5821.4	5804.4	5831.0	5903.6
30°	6697.2	6704.5	6486.7	6121.4	5949.6	5961.7	5966.5	5896.4	5845.6	5903.6
32.5°	7132.7	7130.3	6871.4	6397.2	6150.4	6138.3	6097.2	5959.3	5840.7	5891.5
35°	7807.8	7781.2	7447.3	6784.3	6377.8	6302.8	6206.1	6029.4	5864.9	5879.4
37.5°	8925.6	8843.3	8381.2	7418.2	6716.6	6525.4	6382.7	6143.2	5918.1	5874.6
40°	10186.2	10082.1	9574.0	8286.8	7224.7	6917.4	6687.5	6305.3	6005.2	5896.4
42.5°	11681.4	11533.8	10987.0	9310.3	7868.3	7423.1	7077.1	6510.9	6133.5	5966.5
45°	13517.8	13321.9	12547.6	10464.4	8678.8	8086.0	7623.9	6823.0	6329.5	6102.0
47.5°	15373.6	15422.0	14321.1	11785.5	9651.5	8903.8	8308.6	7292.4	6615.0	6319.8
50°	17345.5	17379.4	16085.0	13249.3	10754.8	9828.1	9078.0	7817.5	7011.8	6629.5
52.5°	18884.3	18889.2	17686.7	14780.8	11904.0	10844.3	9907.9	8417.5	7471.5	7040.8
55°	19847.3	19835.2	18809.3	16230.1	13225.1	11911.3	10827.3	9099.8	8032.8	7524.7
57.5°	20546.5	20510.2	19583.6	17476.2	14633.2	13171.9	11867.7	9874.0	8695.7	8100.5
60°	20812.7	20790.9	20108.6	18552.9	16114.0	14565.5	13067.8	10740.2	9448.2	8780.4
62.5°	20914.3	20955.4	20624.0	19595.7	17698.8	16109.1	14386.4	11775.8	10295.0	9549.8
65°	21272.4	21347.4	21279.7	20960.3	19489.2	17916.5	16135.8	13007.3	11219.3	10374.9
67.5°	21981.3	22056.3	22085.4	22593.5	21676.5	20169.1	18318.2	14541.3	12300.8	11231.4
70°	21964.4	21942.6	22455.5	23892.7	24415.3	23287.9	21260.3	16428.5	13590.4	11942.7
72.5°	19992.5	19818.3	21030.4	23878.2	26694.5	26544.5	24853.3	18862.6	14703.4	12029.8
75°	14998.6	14534.0	16675.3	21519.2	27074.4	28393.0	27137.3	20372.3	14439.7	10628.9
77.5°	6414.1	5947.2	8470.7	15930.1	24231.5	26542.1	25042.0	17773.8	11526.6	7028.7
80°	1679.1	1676.7	2559.8	7222.3	16479.3	19600.5	17195.5	11478.2	6585.9	2511.5
82.5°	694.4	677.5	941.2	2809.1	8052.2	10999.1	8976.4	5119.7	2378.4	679.9
85°	258.9	256.5	457.3	970.2	2840.5	4536.6	3283.3	1309.0	592.8	331.5
87.5°	72.6	70.2	99.2	336.3	692.0	1050.1	561.3	215.3	166.9	130.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851603
 CATALOG NUMBER: GLAN-SB9C-930-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5216.5	0°	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5	5216.5
5226.2	2.5°	5233.4	5245.5	5267.3	5284.2	5306.0	5330.2	5364.1	5385.8	5407.6	5422.1
5238.3	5°	5255.2	5281.8	5337.5	5393.1	5458.4	5518.9	5589.1	5639.9	5681.0	5693.1
5281.8	7.5°	5303.6	5347.1	5441.5	5535.9	5639.9	5739.1	5840.7	5927.8	5998.0	6024.6
5359.2	10°	5388.3	5446.3	5579.4	5712.5	5850.4	6002.8	6133.5	6259.3	6358.5	6399.6
5451.2	12.5°	5494.7	5567.3	5741.5	5925.4	6116.5	6327.0	6496.4	6651.3	6774.6	6830.3
5579.4	15°	5632.6	5727.0	5949.6	6196.4	6477.0	6769.8	6985.1	7156.9	7294.8	7362.6
5712.5	17.5°	5782.6	5908.5	6189.1	6561.7	6963.4	7348.1	7599.7	7725.5	7868.3	7933.6
5835.9	20°	5927.8	6082.7	6484.3	7026.3	7561.0	7969.9	8173.1	8207.0	8216.7	8223.9
5952.0	22.5°	6077.8	6285.9	6854.5	7611.8	8185.2	8468.3	8497.3	8352.2	8148.9	8054.6
6065.7	25°	6242.4	6518.2	7338.4	8257.8	8722.4	8756.2	8533.6	8180.4	7795.7	7619.1
6157.7	27.5°	6402.0	6786.7	7919.1	8874.8	9109.5	8811.9	8332.8	7832.0	7367.4	7181.1
6223.0	30°	6561.7	7094.0	8560.3	9414.3	9286.1	8674.0	8015.9	7457.0	6990.0	6794.0
6281.1	32.5°	6723.8	7452.1	9298.2	9803.9	9254.7	8381.2	7621.5	7036.0	6624.6	6419.0
6331.9	35°	6907.7	7892.5	9997.4	10016.8	9044.2	7950.5	7101.3	6532.7	6174.6	6010.1
6392.4	37.5°	7147.3	8451.4	10614.4	10070.0	8676.4	7319.0	6455.3	5937.5	5642.3	5567.3
6481.9	40°	7444.9	9124.0	11086.2	9985.3	8132.0	6552.1	5748.8	5335.0	5168.1	5185.0
6602.9	42.5°	7832.0	9876.5	11417.7	9767.6	7374.7	5760.9	5129.4	4945.5	5025.3	5093.1
6784.3	45°	8335.2	10658.0	11623.4	9397.4	6518.2	5090.7	4764.0	4807.6	4868.1	4875.3
7077.1	47.5°	8978.8	11449.2	11758.9	8838.5	5644.7	4618.9	4531.8	4541.4	4529.3	4478.5
7515.0	50°	9782.1	12218.6	11879.8	8098.1	4901.9	4323.7	4207.5	4173.7	4006.7	3842.2
8098.1	52.5°	10696.7	12925.1	11930.6	7178.7	4323.7	4076.9	3888.2	3675.2	3363.1	3312.3
8831.2	55°	11712.9	13578.3	11800.0	6048.8	3837.4	3759.9	3474.4	3218.0	3184.1	3140.5
9796.6	57.5°	12927.5	14282.4	11533.8	4788.2	3338.9	3389.7	3111.5	3140.5	3080.0	3012.3
11037.8	60°	14255.8	15010.7	11066.9	3639.0	2823.6	2927.6	3017.1	3014.7	2997.8	2942.1
12346.8	62.5°	15451.0	15489.7	10147.5	2787.3	2371.1	2569.5	2813.9	2811.5	2797.0	2765.5
13713.8	65°	16162.4	15417.2	8613.5	2194.5	1998.5	2274.3	2538.1	2557.4	2559.8	2557.4
14742.1	67.5°	16036.6	14567.9	6508.5	1746.9	1691.2	1974.3	2264.7	2291.3	2310.6	2315.5
14872.8	70°	14613.9	12702.5	4243.8	1393.6	1417.8	1710.6	2005.8	2032.4	2049.3	2068.7
12905.7	72.5°	11391.1	9339.3	2429.2	1127.5	1178.3	1483.2	1749.3	1780.8	1790.4	1826.7
8981.2	75°	6941.6	5492.3	1311.4	888.0	967.8	1267.8	1495.3	1531.6	1548.5	1592.0
4410.8	77.5°	3300.2	2378.4	747.6	692.0	779.1	1035.6	1263.0	1304.1	1258.1	1282.3
1217.0	80°	1115.4	883.1	471.8	527.5	595.2	808.1	1011.4	1052.5	955.7	950.9
404.1	82.5°	389.5	358.1	300.0	350.8	384.7	578.3	764.6	817.8	711.3	708.9
181.5	85°	152.4	145.2	166.9	191.1	229.9	355.7	503.3	529.9	437.9	353.2
53.2	87.5°	31.5	33.9	41.1	43.6	70.2	123.4	181.5	222.6	176.6	150.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
5216.5
5412.5
5698.0
6027.0
6402.0
6830.3
7357.8
7931.2
8243.3
8081.2
7645.7
7202.9
6815.8
6445.6
6046.4
5620.5
5243.1
5156.0
4923.7
4517.2
3864.0
3329.3
3147.8
3000.2
2922.8
2753.4
2557.4
2320.3
2078.4
1841.3
1596.9
1263.0
941.2
675.0
348.4
137.9
0.0

F REPORT)